

**CERTIFICATE OF ANALYSIS**

|                          |                    |
|--------------------------|--------------------|
| <b>PRODUCT:</b>          | Columbia agar base |
| <b>PRODUCT CODE NO.:</b> | B1459              |

**QUALITY CONTROL TESTS: DEHYDRATED MEDIUM**

| PARAMETERS        | SPECIFICATIONS/STANDARD VALUES |
|-------------------|--------------------------------|
| <b>COLOR</b>      | Cream to light yellow          |
| <b>APPEARANCE</b> | Homogenous free flowing powder |

**QUALITY CONTROL TESTS: REHYDRATED MEDIUM**

| PARAMETERS                         | SPECIFICATIONS/STANDARD VALUES  |
|------------------------------------|---|
| pH (post autoclaving/heating)      | 7.3+/-0.2   |
| COLOR (post autoclaving/heating)   | Basal medium-Light yellow to light amber.b)<br>After addition of sterile 5%defibrinated<br>Blood-Cherry Red |
| CLARITY (post autoclaving/heating) | Opaque  |

**QUALITY CONTROL TESTS: MICROBIOLOGICAL**

**CULTURAL RESPONSE:**

Cultural characteristics observed with added 5%v/v sterile defibrinated blood, after 24 - 48 hrs at 35- 37 °C.  
 (Clostridium species incubated under anaerobic conditions at 35- 37 °C for 24-48hrs.)

| Organism Description               | INOCULUM (CFU) | GROWTH W/ BLOOD | RECOVERY W/ BLOOD | HAEMOLYSIS |
|------------------------------------|----------------|-----------------|-------------------|------------|
| Neisseria meningitides (13090)     | 50-100         | luxuriant       | >=70%             | none       |
| Staphylococcus aureus (25923)      | 50-100         | luxuriant       | >=70%             | beta/gamma |
| Staphylococcus aureus (6538)       | 50-100         | luxuriant       | >=70%             | beta/gamma |
| Staphylococcus epidermidis (12228) | 50-100         | luxuriant       | >=70%             | gamma      |
| Streptococcus pneumoniae (6303)    | 50-100         | luxuriant       | >=70%             | alpha      |
| Streptococcus pyogenes (19615)     | 50-100         | luxuriant       | >=70%             | beta       |
| Clostridium sporogenes(19404)      | 50-100         | luxuriant       | >=70%             | -          |
| Clostridium sporogenes(11437)      | 50-100         | good-luxuriant  | >=70%             | -          |
| Clostridium perfringens(13124)     | 50-100         | luxuriant       | >=70%             | -          |

|                                     |        |           |       |            |
|-------------------------------------|--------|-----------|-------|------------|
| Clostridium perfringens(12934)      | 50-100 | luxuriant | >=70% | -          |
| Clostridium sporogenes(NCTC532)     | 50-100 | luxuriant | >=70% | -          |
| Clostridium sporogenes(CIP79.3)     | 50-100 | luxuriant | >=70% | -          |
| Clostridium perfringens (NCIMB6125) | 50-100 | luxuriant | >=70% | -          |
| Clostridium perfringens(NCTC8237)   | 50-100 | luxuriant | >=70% | -          |
| Staphylococcus aureus(9518)         | 50-100 | luxuriant | >=70% | beta/gamma |

This is to certify that this lot passes and it confirms to the above-mentioned tests and specifications. The information given here is believed to be correct and accurate, however, both the information and products are offered without warranty for any particular use, other than that specified in the current Biomark literature. The results reported were obtained at the time of release.

This document has been produced electronically and is valid.

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